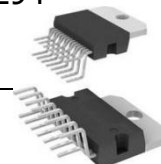


Audiokiller's BOM list for Hi-Fi inverting MINI amplifier on the chip TDA7293/TDA7294

<https://electroclub.info/>



Symbol	Type (producer)	Typical	Quantity	Note
R1	SMD size 1206, 5% accuracy	1.5 kΩ	1	You can use 1% accuracy
R2, R3, R5	SMD size 1206, 1% accuracy	33 kΩ	3	You can use 5% accuracy, but for a stereo amplifier select the same resistance in both channels
R4	SMD size 1206, 1% accuracy	1.5 kΩ	1	You can use 5% accuracy, but for a stereo amplifier select the same resistance in both channels
R6	SMD size 1206, 5% accuracy	12 kΩ	1	You can use 1% accuracy
R7, R8	SMD size 1206, 5% accuracy	33 kΩ	2	You can use 1% accuracy
R9	Metal film, power 0.5-1 W, 5% accuracy	6.8 Ω	1	1 watt is more reliable
R10	SMD size 1206, 5% accuracy	1-1.5 Ω	1	Resistance not more than 3 Ω. It can be replaced by a jumper
C1	Ceramic on 50 V Murata, Vishay	1500 pF or other capacity, see article on the site	1	The TCC is NP0 (COG) Capacity depends on the resistance of the volume control!!! For capacity selection, see the website.
C2	Film cap, Epcos, Wima, Vishay	0.47 μF (0.33-0.68 mF)	1	High-quality capacitor with film, PETP or polypropylene dielectric (slightly better) For capacity selection, see the website.
C3	Ceramic cap 50 V Murata, Vishay	47 pF (47-68 pF)	1	The TCC is NP0 (COG) For capacity selection, see the website.
C4	Electrolytic cap, Jamicon, Epcos, Samwha, Panasonic	47 μF 50 V	1	6.3mm diameter
C5	Film cap, Epcos, Wima, Vishay	0.1 μF 63-100 V	1	Distance between 5 or 7.5 or 10 mm.
C6	Electrolytic cap, Jamicon, Epcos, Samwha, Panasonic	100 μF 50V	1	Diameter 8 mm
C7, C9	Film cap, Epcos, Wima, Vishay	2.2 μF 63-100 V (1.5-3.3 μF)	2	Distance between 10-20 mm.
C8, C10	Electrolytic cap, Jamicon, Epcos, Samwha, Panasonic, Elna, Nichicon	1000 μF 50 V	2	1. Diameter 13 or 16 mm. 2. Low ESR capacitor is preferable
DA1	TDA7293	-	1	Can be replaced with TDA7294, but it's going to be a little worse. Place jumper correct on the board!